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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/799,933	03/15/2004	Dae-gyu Bac	Q79988	6838

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WASHINGTON, DC 20037

EXAMINER
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LEWIS, ALICIA M

ART UNIT	PAPER NUMBER
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2164

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/30/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/799,933

Applicant(s)

BAE ET AL.

Examiner

Alicia M. Lewis

Art Unit

2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 10 January 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,3-9,11 and 13-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3-9,11 and 13-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

  
**SAM RIMELL**  
**PRIMARY EXAMINER**

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |


### DETAILED ACTION

This office action is responsive to communication filed January 10, 2007. Claims 1, 3-5, 8, 11, 13 and 15 have been amended, and claims 2, 10 and 12 have been canceled. Therefore, claims 1, 3-9, 11 and 13-19 are pending in this application.

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

 2. Claims <sup>1, 3-9, 11, 13-19</sup>~~1-19~~ are rejected under 35 U.S.C. 103(a) as being unpatentable over Niwa (US Patent Application Publication 2003/0225696 A1) in view of Christensen et al. (US Patent 6,055,543) ('Christensen').

With respect to claims 1 and 11, Niwa teaches:

extracting information on at least one resource file by parsing an SMIL document (paragraph 130); and

packaging a plurality of files comprising the SMIL document and the at least one resource file into a single segment using the extracted information (paragraphs 85 and 126).

Although Niwa teaches that the SMIL document and at least one resource file are packaged together in a new video segment store in a database, he does not teach that the SMIL document and resource file are packaged into a single file, wherein the operation of packaging comprises: forming a header based on the extracted information; creating file indexing information based on the extracted information, to access the at least one resource file; and creating an SMIL integrated file by packaging the header, the file indexing information, the SMIL document, and the at least one resource file into a single file.

Christensen teaches a file wrapper containing cataloging information for content searching across multiple platforms (see abstract) in which he teaches packaging metadata (SMIL document) and content (resource) file into a single file using the extracted information (Figure 5, column 4 lines 52-58, column 6 lines 19-27), wherein the operation of packaging comprises:

forming a header based on the extracted information (column 6 lines 32-39, column 7 lines 51-52);

creating file indexing information based on the extracted information, to access the at least one resource file (column 6 lines 35-39, 45-56); and

creating an SMIL integrated file by packaging the header, the file indexing information, the SMIL document, and the at least one resource file into a single file (Figure 5, column 6 lines 19-50).

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Niwa by the teaching of Christensen because

Art Unit: 2164

packaging metadata (SMIL document) and content (resource) file into a single file would enable content and its metadata to be transported together (Christensen, column 6 lines 25-27), searching regardless of file type or the computer system in which the file resides (Christensen, column 9 lines 64-66), a reduction in traffic on the network (Christensen, column 10 line 8), and prevention of lost/separated metadata (Christensen, column 10 lines 15-17).

With respect to claims 3 and 13, Niwa as modified teaches wherein the header comprises information on the number of the plurality of files included in the SMIL integrated file and information on a length of the SMIL integrated file (Christensen, column 6 lines 32-39, column 7 lines 33-36).

With respect to claims 4 and 14, Niwa as modified teaches wherein the header comprises copyright information of at least one of the SMIL document and the at least one resource file (Christensen, column 6 lines 33-35).

With respect to claims 5 and 15, Niwa as modified teaches wherein the file indexing information comprises respective name, length, and offset information of each of the plurality of files included in the SMIL integrated file (Christensen, column 6 lines 35-39, 45-50, column 7 lines 33-40).

Art Unit: 2164

With respect to claims 6 and 16, Niwa as modified teaches further comprising storing a packaged SMIL integrated file. (Niwa, paragraph 126; Christensen, column 5 lines 23-24).

With respect to claim 7, Niwa as modified teaches transmitting a packaged SMIL integrated file (Christensen, column 5 lines 25-27; Niwa, paragraph 179 lines 9-13).

With respect to claim 8, Niwa as modified teaches:

extracting information for accessing a plurality of files included in an SMIL integrated file by parsing the SMIL integrated file (Christensen, column 5 lines 50-63; Niwa, paragraphs 85 and 126);

providing an SMIL document (Christensen, column 5 lines 56-61; Niwa, paragraph 178); and

providing a predetermined resource file by referring to the information when a request for the predetermined resource file is issued (Christensen, column 5 lines 62-63, column 8 lines 2-5; Niwa, paragraph 178),

wherein the operation of extracting the information comprises extracting respective name, length, and offset information of each of the plurality of files included in the SMIL integrated file, and the operation of providing the predetermined resource file comprises searching for the predetermined resource file by referring to the respective name, length, and offset information of each of the plurality of files included

Art Unit: 2164

in the SMIL integrated file (Christensen, column 6 lines 35-39, 45-50, column 7 lines 33-40, 49-55).

With respect to claims 9 and 18, Niwa as modified teaches wherein the operation of extracting the information comprises extracting file indexing information to access the predetermined resource file (Christensen, column 4 lines 57-58, column 5 lines 50-63, column 7 lines 49-55) and the operation of providing the predetermined resource file comprises providing the predetermined resource file by referring to the file indexing information (Christensen, column 5 lines 62-63, column 8 lines 2-5).

With respect to claim 17, Niwa as modified teaches further comprising:

a file managing unit which provide a predetermined SMIL document when there is a request for the predetermined SMIL document (Christensen, column 5 lines 56-61; Niwa, paragraph 178) and provides a predetermined resource file linked to the SMIL document when there is a request for the predetermined resource file by referring to corresponding information extracted from an SMIL integrated file by the parsing unit (Christensen, column 5 lines 62-63, column 8 lines 2-5; Niwa, paragraph 178),

wherein the parsing unit extracts the corresponding information for accessing files included in the SMIL integrated file by parsing the SMIL integrated file (Christensen, column 5 lines 50-63; Niwa, paragraphs 85 and 126).

With respect to claim 19, Niwa as modified teaches wherein the parsing unit extracts file indexing information, including respective name, length, and offset information of at least each of the plurality of files included in the SMIL integrated file, and the file managing unit searches for the predetermined resource file by referring to the name, length, and offset information of each of the plurality of files included in the SMIL integrated file and provides the predetermined resource file (Christensen, column 6 lines 35-39, 45-50, column 7 lines 33-40, 49-55).

### ***Response to Arguments***

3. Applicant's arguments filed January 10, 2007 have been fully considered but they are not persuasive. Applicant argues that Niwa and Christensen fail to teach extracting information on at least one resource file by parsing an SMIL document wherein the operation of packaging comprises forming a header based on the extracted information. More specifically, Applicant argues that the header of Christensen is not based on any of the information characterized as being the extracted information in Niwa. Examiner disagrees. Christensen teaches forming a header (column 6 lines 32-33), which is based on application information, copyright information, and a creation date. Niwa teaches in paragraphs 129-130 that the extracted information may include metadata, time and date information, a title, keywords, and other additional data relating to the video segment. Because the header includes a creation date, copyright information and application information, it is in fact based on the extracted information of Niwa, which also includes creation date and application information. Christensen does not



Art Unit: 2164

specifically define what application information includes, however the specification of his invention suggests the use of multimedia files, and thus applications dealing with multimedia files. Therefore, the application data may include the information about the video segment of Niwa.

### ***Conclusion***

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alicia M. Lewis whose telephone number is 571-272-5599. The examiner can normally be reached on Monday - Friday, 9 - 6:30, alternate Friday off.

Art Unit: 2164

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on 571-272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Alicia Lewis  
March 21, 2007

  
**SAM RIMELL**  
**PRIMARY EXAMINER**